Appln. No. 10/529,664
Amdt. dated April 10, 2006
Reply to Office Action dated January 20, 2006

AMENDMENTS TO THE SPECIFICATION:

Please amend the title of the application as follows:

ENCODING AND DECODING A MEDIA SIGNAL

WITH HIGH AND LOW QUALITY VERSIONS

Please amend the paragraph beginning on page 2, line 10 as follows:

With the invention is achieved that receivers having a first decoder, which performs the inverse operation of the first encoder, will decode the received first code sequences and reproduce the encoded media signal with a given quality. More ~~sohisticated~~ sophisticated receivers having a second decoder, which performs the inverse operation of the second encoder, however, will be able to reconstruct the second code sequences from the received first code sequences, and reproduce the media signal with a different, better, quality.

Please amend the paragraph beginning on page 5, line 16 as follows:

A more sophisticated receiver comprises a vector dequantizer to reproduce the media signal. FIG. 2 shows schematically a flow diagram of an illustrative embodiment of the decoding method

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according to the invention. In a step **21**, a scalar-quantized sequence $y_1...y_4$ is received. In a step **22**, the received sequence is inversely mapped into the vector quantized sequence $z_1...z_4$. This inverse reordering mapping is carried out in accordance with the inverse ~~reoredering~~ reordering mapping function $i=m^{-1}(j)$ (see Table III). In a step **23**, the sequence $z_1...z_4$ is decoded and reproduced. It will be appreciated that the above mentioned exemplary sequences x1 and x2 will now be reproduced as [3/8, 1/8, 7/8, 5/8] and [1/8, 3/8, 5/8, 7/8], respectively. The distortion between input signal and ~~recostructed~~ reconstructed signal is now $D(x,z)=0.0197$. The signal quality of the sophisticated receiver is thus considerably better than the signal quality of the simple receiver. Generally, the sophisticated receiver is more complex.

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